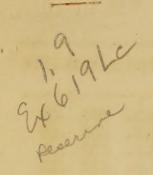
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UNITED STATES DEPARTMENT OF AGRICULTURE EXTENSION SERVICE OFFICE OF AGRICULTURAL INSTRUCTION Washington, D.C.

AGRONOMY PUBLICATIONS OF THE DEPARTMENT OF AGRICULTURE CLASSIFIED FOR THE USE OF TEACHERS.

The following list of publications has been prepared to assist teachers in making an intelligent selection of Department publications on topics pertaining to the subject of agronomy. The publications now being issued consist of five series of bulletins and circulars: Farmers' Bulletins (F.B.), which are written in non-technical style contain recommendations and directions for procedure in modern agricultural and home-making practices: Department Bulletins (D.B.), which are technical discussions primarily of the results of experimental work of the Department; Department Circulars (D.C.), which carry less technical and more informational contributions designed for scientific and limited mailing lists: Miscellaneous Circulars (M. C.), which are of a nature which do not fall in the other three classifications or which are of other than the regular octavo size; and, Statistical Bulletins (S.B.). Yearbook Separates (Y.S.), are reprints of articles appearing in the Yearbooks of the Department. Teachers should avoid requesting a large list of publications on different topics at one time, or of publications, the use of which is to be distributed over a long period of school work. It must be the policy of the Department to limit the distribution of publications to actual present needs as nearly as possible, so that the funds available for the purpose of publication can be made to benefit the largest possible number of real users. A few bulletins carefully studied by the teacher and the class or assigned to certain members for individual reports are of much greater service than a hundred forgotten on the shelves at home or in the school library. Copies of any of the publications listed below may be obtained free upon application to the Office of Publications, U. S. Department of Agriculture, as long as the Department's supply lasts. When the Department's supply is exhausted, they may then be obtained at the prices indicated from the Superintendent of Documents, Government Printing Office, Washington, D. C. to whom both postal order and remittance should be addressed as that office officially is not connected with the Department of Agriculture. Postage stamps, mutilated coins, foreign money and uncertified checks will not be accepted. No publications are sold by the Department of Agriculture.

Maria Cara Cara Cara Cara Cara Cara Cara	Title	Publication	Price
	Soils		1
Forage crops for cotton region Clyde series of soils Miami series of soils Soils of the Sassafras series Water penetration in gumbo soils of		D.B. 142 D.B. 159	.15

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Title	Pub1	icatio	a Pric
Variation in chemical composition of soils	D.B.	551	.05
Relation of some of rarer elements in soils and plants	D.B.	600	.05
Soils of southern New Jersey, and their uses	D.B.	677	40
Capillary movement of soil moisture	D.B.	835	.15
Soils of Eastern Virginia and their uses for truck-crop production	1	1005	.35
Effect of borax on growth and yield of crops		1126	.15
Storage of water in soil and its utilization by spring wheat		1139	.05
Capillary distribution of moisture in soil columns of small cross	D.D.	1100	
	DR	1221	.05
Section		1452	.10
Properties of colloidal soil material	DaDa	THUE	* 10
			1
Soil Improvement.			
DOLL TIME OF OHOUR.	1		
Grain farming in Corn Belt with livestock as side line	F.B.	704	.05
Management of sandy-land farms in northern Indiana and Southern			
Michigan	F.B.	716	.05
Waste land and wasted land on farms	F.B.	745	.05
Drainage of irrigated farms	F.B.	805	.05
Practical information for beginners in irrigation	F.B.	864	.05
Irrigation of alfalfa	F.B.	865	.05
Surface irrigation for eastern farms	F.B.	899	.05
Principle of liming of soils	F.B.	921	.05
Farm practices that increase crop yields, the Gulf Coast region.	F.B.	986	.05
Dry farming for better wheat yields, the Columbia and Snake River	T.D.	300	.05
basins	F.B.	1047	.05
Growing irrigated grain in southern Idaho		1103	.05
Dry farming in western South Dakota	1	1163	.05
The border method of irrigation		1243	.05
Green manuring		1250	.05
Corrugation method of irrigation		1348	.05
Terracing farm lands		1386	
Soil productivity as affected by crop rotation		1475	
Inoculation of legumes and nonlegumes with nitrogen-fixing and	E.D.	1410	.05
other bacteria	ਸ਼ਾਸ	1496	05
Tillage and rotation experiments at Nephi, Utah	4	157	
Phosphate rock and methods proposed for its utilization as ferti-	. Π• Π•	107	.03
lizer	D.B.	312	.05
Prevention of erosion of farm lands by terracing	D.B.	1	.45
Effect of fall irrigation on crop yields at Belle Fourche, S. Dak	D.B.		.05
Recovery of potash as a by-product in the cement industry	D.B.	The state of the s	.05
Methods for preparing commercial grade of calcium arsenate	D.B.	750	.05
Irrigation district operation and finance		1177	.10
Investigations of manufacture of phosphoric acid by volatilization			
Process	•	1179	
Field experiments with atmospheric-nitrogen fertilizers	D*R*	1180	.10
Potash from kelp, early development and growth of giant kelp,	-	7707	05
Macrocystis pyrifera		1191	
Estimation of colloidal material in soils by absorption	D.B.	1193	.05
Drainage district assessments, study of present practices in		300	11-2
assessing benefits under States drainage laws		1207	
Computation of fertilizer mixtures from concentrated materials		1280	
Chemical composition of soil colloids:	D.B.	1311:	-10

Title	Publication	Price
Irrigation requirements of arable lands of Great Basin	D.B. 1340	10
Study of value of crop rotation in relation to soil productivity.	D.B. 1377	.15
Structures used in draining agricultural land	D.B. 1408	1,10
Fertilizer experiments with alfalfa conducted at United States		
	D.B. 1418	.05
Dwo	D. C. 252	.05
	Y.S. 717	.05
Plant Propagation.		
Rag-doll seed tester	F.B. 948	.05
Sugar beet seed growing in the Rocky Mountain States	F.B. 1152	. 05
Varieties of winter wheat adapted to eastern United States	F.B. 1168	.05
Flow of water in irrigation channels	D.B. 194	. 25
Hairy-vetch seed production in the United States	D.B. 876	.10
Effect of alfalfa on subsequent yields of irrigated field crops	D.B. 881	.05
	D.B. 1026	25
Sterility of oats	D.B. 1058	. 05
Effects of selection on yield of cross between varieties of corn.	D.B. 1209	.05
Forage crops in relation to agriculture of semiarid portion of		1
northern Great Plains	D.B. 1244	. 10
Tillage and rotation experiments at Dickinson, Hettinger, and		
Williston, N. Dak	D.B. 1293	.05
Crop rotation and cultural methods at Akron (Colo.) Field Station	The second secon	.05
Dry farming in southeastern Wyoming	D.B. 1315	, 05
Improved oat varieties for corn belt	D.B. 1343	.10
Productiveness of successive generations of self-fertilized lines		
of corn and of crosses between them	D.B. 1354	.10
	D.B. 1387	110
Comparison of maize-breeding methods	D.B. 1396	.05
Segregation and correlated inheritance in marquis and hard federa-	D. D. 2000	. 00
tion crosses, with factors for yield and quality of spring wheat		
	D.B. 1403	15
Work of Huntley reclamation project experiment farm in 1921	D. C. 275	05
Improved oat varieties for New York and adjacent States	D. C. 353	05
	D. U.	100
Winter field peas, their value as winter cover and green-manure	D. C. 374	05
crop	D. C. 374	,05
The time the second of the sec		
Food and Forage.	12 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
root and rotage.		
Corn cultivation	F.B. 414	.05
	F.B. 420	.05
	F.B. 427	.05
	F.B. 428	.05
	F.B. 502	.05
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	F.B. 554	.05
	F.B. 567	.05
	F.B. 568	.05
Crimson clover, utilization	F.B. 579	,05

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	Hard clover seed and its treatment in hulling	F.B.	677	.05
	Growing hay in the South for market	F.B.		.05
	Growing hard spring wheat	F.B.	680	.05
	Varieties of hard spring wheat	F.B.	690	.05
	Field pea as forage crop	F.B.		.05
	Natal grass, a southern perennial hay crop	F.B.	729	.05
	Corn culture in Southeastern States	F.B.		.05
	Button clover	F.B.		.05
	Marquis wheat	F. B.	7738	.05
	Creal crops in panhandle of Texas	F.B.	749	.05
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	Culture of rye in eastern half of the United States	F.B.	769	.05
	Growing grain on southern Idaho dry farms	F.B.	773	.05
	Corn growing under droughty conditions	F.B.	786	05
	Foxtail millet, its culture and utilization	F.B.	793	.05
	Sweet clover; growing the crop	F.B.	797	.05
	Grains for dry lands of central Oregon	F.B.	800	.05
	Bermida grass	F.B.	814	.05
	Sweet clover, utilization	F.B.	820	.05
	Shallu, or Egyptian wheat	F.B.	827	.05
	Sweet clover, harvesting and threshing the seed crop	F.B.	836	.05
	Irrigation of grain	F.B.	863	.05
	Grains for weatern North and South Dakota	F.B.	878	.05
	Grains for Utah dry lands	F.B.	883	.05
	Wheat growing in the Southeastern States	F.B.	885	.05
	Harvesting soy-bean seed	F.B.	886	.05
	Spring oat production	F.B.	892	.05
	Rye growing in Southeastern States	F.B.	894	.05
	Growing winter wheat on Great Plains	F.B.	895	.05
	Bean growing in eastern Washington and Oregon and northern Idaho.	F.B.	907	.05
	Haymaking	F.B.	943	.05
	Potato culture under irrigation	F.B.	953	.05
	Growing grain sorghums in San Antonio district of Texas	F.B.	965	.05
	Purple vetch	F.B.	967	.05
	Horse beans	F.B.	969	.05
	How to use sorghum grain	F.B.	972	.05
	Soy bean, its culture and uses	F.B.	973	.05
	Timo thy ,	F.B.	990	.05
	Sweet-potato growing	F.B.	999	.05
	Sweet clover on corn-belt farms	F.B.	1005	.05
	Alfalfa on corn-belt farms	F.B.	1021	.05
	Growing sugar cane for sirup	F.B.	1034	.05
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	Prairie rice culture	F.B.		.05
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	Peanut growing for profit	F.B.	1127	.05
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Romet mag	F B 1130	.05
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Grain sorghums, how to grow them	4.	.05
Growing crimson clover	F.B. 1143	.05
Lespedeza as a forage crop		.05
Milo, a valuable grain crop	and a second of	.05
Cowpeas, culture and varieties		.05
Growing corn in Southeastern States	F.B. 1149	
Alsike clover	F.B. 1151	.05
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Better seed corn		.05
Ginseng culture		.05
How to grow an acre of potatoes		.05
Potato production in the South		.05
Utilization of alfalfa		.05
How to grow rice in Sacramento Valley		.05
Important cultivated grasses		.05
Velvet bean		.05
The hard, red winter wheats		.05
Hard, red spring wheats		.05
How to grow alfalfa		.05
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Club wheats		.05
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Seed potatoes and how to produce them		.05
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Why tomatoes run out		.05
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Cerasi experiments in Maryland and Virginia		.10
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New sorghum varieties for central and southern Great Plains		.05
Cereal experiments at Judith Basin substation, Moccasin, Mont		.10
Experiments with marquis wheat	D.B. 400	. 10

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Title	Publication	Price
	D. D. 403	10
Cereal experiments at Akron field station, Colo	D.B. 402	.10
Cereal experiment on Cheyenne experiment farm, Archer, Wyo	D.B. 430	.10
Improvement of Ghirka spring wheat in yield and quality	D.B. 450	.05
Identification of grasses by their vegetative characters	D.B. 461	.05
Origin, characteristics, and quality of humpback wheat Experiments with spring cereals of Eastern Oregon Dry-Farming	D.B. 478	.05
Substation, Moro, Oregon	D.B. 498	.10
Wheat, yields per acre and prices, by States, 50 years, 1866-1915	D.B. 514	.05
Corn, yields per acre and prices, by States, 50 years, 1866-1915.	D.B. 515	.05
Characteristics and quality of Montana-grown wheat	D.B. 522	.10
Comparison of several classes of American wheats and considera-	D.D. Coo	• 10
tions of some factors influencing quality	D.B. 557	.05
Greenhouse experiments on rust resistance of oat varieties	D.B. 629	.05
Grain-sorghum experiments in Panhandle of Texas	D.B. 698	.15
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Farm practice in growing sugar beets in three California districts		.10
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of Colorado	D.B. 917	.20
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Physical and chemical study of milo and feterita kernels	D.B. 1129	.05
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types of corn	D.B. 1157	.05
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Sterilities of wild and cultivated potatoes with reference to	Carry and die	
breeding from seed	D.B. 1195	.10
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Size of potato sets, comparisons of whole and cut seed	D.B. 1248	.10
Sorghum experiments on the Great Plains	D.B. 1260	.15
Varietal experiments with hard red winter wheats in dry areas of	4-50-3	
western United States	D.B. 1276	.10
Experiments with cereals at Akron (Colo.) Field Station in 15-year	n n 100m	35
period, 1908 to 1922, inclusive	D.B. 1287	.15
Common vetch and its varieties	D.B. 1289	.05
Report of Northern Great Plains Field Station for 10-year period 1913-1922, inclusive	חם זיין	15
Statistical study of relation between seed-ear characters and	D.B. 1301	.15
productiveness in corn	D.B. 1321	.05
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	D.B. 1341	.05
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and baking qualities, and chemical composition of wheat	D.B. 1420	.05
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Title	Publi	cation	Price
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United States grades for rye	D. C.		.05
Crop tests at cooperative testing station, Sacaton, Ariz	D. C.		1.10
Kota wheat	D. C.		.05
Korean lespedeza, new forage crops	D. C.		.05
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Work of Belle Fourche reclamation experiment farm, 1919-1922	D. C.		.10
Work of Umatilla reclamation project experiment farm in 1920, 1921		No. LOS	
Work of Newlands reclamation project experiment farm in 1922 and	D. C.	342	.05
1923	D. C.	352	.05
Work of the Huntley field station in 1923 and 1924	D. C.	369	.10
Method for control of crown gall in apple nursery	D.C.	376	.05
Resistance in sugar beets to curly-top	D. C.	388	: .05
Soy-bean industry in United States	Y. S.	740	.05
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Place of rye in American agriculture	Y. S.	769	.05
Farm practices in growing wheat	Y.S.	804	1.10
Statistics of grain crops, 1920	Y. S.	861	.10
Statistics of crops other than grain crops, 1920	Y. S.	862	.10
The corn crop	Y. S.	872	.10
Wheat production and marketing	Y.S.	873	1.10
Cost data for farm products	Y.S.	876	.10
Sugar	Y. S.	893	,20
Our forage resources	Y. S.	895	.20
Bread grains	Y. S.	898	.10
Grains other than bread grains (statistics)	Y.S.	899	.10
Grains	Y.S.	907	, 15
Fiber and Other Crops.			
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Production of cigar-leaf tobacco in Pennsylvania	F.B.	416	.05
Cotton improvement under weevil conditions	F.B.	501	.05
Tobacco curing	F.B.	523	.05
Tobacco culture	F.B.	571	,05
Growing Egyptian cotton in Salt River Valley, Arizona	: F.B.	577	.05
Goldenseal under cultivation	F.B.	613	.05
Fiber flax	F.B.	669	:.05
Dwarf broom corns	F.B.	768	.05
Losses from selling cotton in seed	F.B.	775	:.05
Standard broomcorn	F.B.	958	.05
Steam sterilization of seed beds for tobacco and other crops	F.B.	996	.05
	F.B.	1328	.05
Production of seed flax		1384	:.05
	F.B.		
Production of seed flax	F.B.	1432	.05
Production of seed flax			.05
Production of seed flax	F.B.	1432	

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Experiments with flax on breaking	D.B.	883	.10
Meade cotton, an upland long-staple variety replacing sea island.	D.B.		.15
Pedigreed fiber flax	D.B.		.10
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Delinting and recleaning cottonseed for planting purposes	D.B. :	1219	.10
Production of henequen fiber in Yucatan and Campeche	D.B. :	1278	.05
Behavior of cotton planted at different dates in weevil-control experiments in Texas and South Carolina	D.B.	1720	.15
Frost resistance in flax	D.C.	264	.05
Commercial classification of American cotton, with reference to			
standards for grade, color, and staple	D. C.	278	.10
United States grades for rough rice	D.C.	290	.05
United States grades for milled rice	D.C.	291	.05
United States grades for timothy hay, clover hay, clover mixed		200	0.5
hay, and grass mixed hay, effective Feb. 1, 1924	D.C.	326	.05
Seed flax as farm crop in 1925	D.C.	341	.05
Production of acala cotton in San Juaquin Valley of California	D.C.	357	.10
Uniform-depth press-wheel cotton-planter attachment	D.C.	381 628	.05
Hemp	Y.S.	734	.15
Production of drug-plant crops in United States	Y.S. Y.S.	790	.05
Sisal and henequen as binder-twine fibres	Y. S.	877	15
The cotton situation	Y.S.	885	.10
History and status of tobacco culture	1.0.	000	. 10
Handling & Marketing.			Alexander .
Commercial handling, grading, and marketing of potatoes	F.B.	753	.05
Potato storage and storage houses	F.B.	847	.05
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Saving man labor in sugar-beet fields	F.B. 1	1042	.05
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Protection of potatoes from cold in transit, lining and loading			
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Seed marketing hints for the farmer	F.B. 1	Contract of the Contract of th	.05
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Marketing the cowpea-seed crop	F.B. 1	The second second	.05
Marketing the early potato crop	F.B. 1	316	.05
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Morely time wain span no to to as	F.B. 1	317	.05
Marketing main-crop potatoes	F.B. 1		.05
More profit for wheat farmers of central Kansas	F.B. 1		.05
Storage of sweet potatoes	1	288	.05
Handling and marketing of Arizona-Egyptian cotton of Salt River	י בים בים	200	. 00
Valley	D.B.	311	.05
Manufacturing tests of cotton fumigated with hydrocyanic-acid gas.			.05
Disadvantages of selling cotton in seed	1		.05
Soy bean; utilization for oil cake, and other products			.05
Handling and marketing Durango cotton in Imperial Valley			.05
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Length of cotton lint, crops 1916 and 1917		1	.05
Nematode galls as factor in marketing and milling of wheat			.05
Factors influencing the carrying qualities of American export corn	The second secon		.20
Commercial utilization of waste seed from the tomato pulping in-	2,24,		
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Farm and terminal market prices: Wheat, corn, and oats	D.B. 1		.10
Soy and related fermentations	D.B. 1	-	.15
Cost of producing winter wheat in central Great Plains of United			
States	D.B. 1	198	.10
Relation between composition of California cantaloupes and their		11 11	
commercial maturity	D.B. 1	250	.05
Operating methods and expense of cooperative citrus-fruit market			
ing agencies	D.B. 1	261	.05
Agricultural cooperation in Denmark	D.B. 1		,15
Ginning pima cotton in Arizona	D.B. 1	,	.10
What makes price of oats	D.B. 1		.10
Cooperative marketing of cotton	D.B. 1		.10
Cotton prices and markets	D.B. 14		.15
Service in cotton marketing	D.B. 1		.10
United States grades for potatoes	D. C.		.05
United States grades for grain sorghums			.05
Handling soft-corn crop	D.C. :	333	.05
Cost of producing field crops, 1923	D. C.	340	.05
Improved methods of handling and marketing cotton		605	.05
Imports and exports of agricultural products	Y. S.	867	.05
Statistics of grain crops, 1921	Y. S.	868	.10
Statistics of crops other than grain crops, 1921	Y.S.	869	.15
Imports and exports of agricultural products	Y. S.	880	.05
Statistics of crops other than grain crops, 1922	Y. S.	384	. 15
Oats, barley, rye, rice, grain, sorghums, seed flax, and buckwheat	Y. S.	391	.15
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Crop Pests.			1
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			.05
Potato-tuber moth			.05
Wild onions, methods of eradication			.05
Leafspot, disease of sugar beet		518	.05
Chalcis-fly in alfalfa seed		536	.05
Alfalfa attacked by clover-root curculio	F.B. 6	549	.05

Title	Publica	ation	Price
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